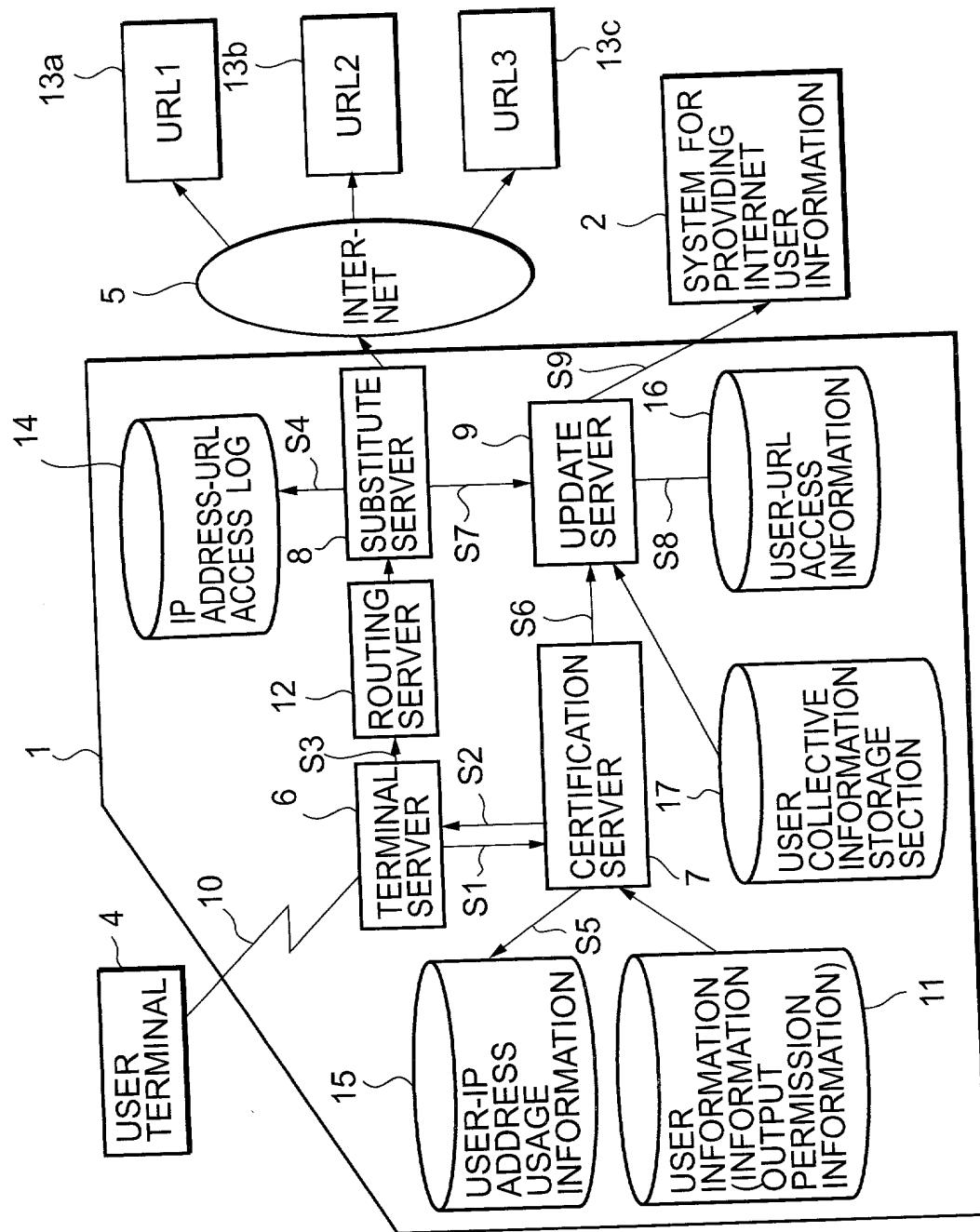


FIG.1



USER INFORMATION

MEMBER ID	PASSWORD	USER ATTRIBUTES	INFORMATION OUTPUT PERMISSION
A	1111	NAME, ADDRESS, SEX, OCCUPATION, ETC.	YES
B	2222	...	NO
...

FIG.2

USER-IP ADDRESS USAGE INFORMATION

PORT	MEMBER ID	IP ADDRESS	CONNECTION START TIME	CONNECTION END TIME
1	A	X.X.X.10	09:04	—
⋮	⋮	⋮	⋮	⋮

FIG.3A

USER-IP ADDRESS USAGE INFORMATION

PORT	MEMBER ID	IP ADDRESS	CONNECTION START TIME	CONNECTION END TIME
1	A	X.X.X.10	09:04	09:04
⋮	⋮	⋮	⋮	⋮
4	B	X.X.X.10	09:23	—
⋮	⋮	⋮	⋮	⋮

FIG.3B

IP ADDRESS-URL ACCESS INFORMATION

IP ADDRESS	URL ACCESSED	CONNECTION REQUEST TIME
x.x.x.10	www URL com (URL 1)	09 : 05
x.x.x.10	www URL2 com (URL 2)	09 : 5
x.x.x.10	www URL3 com (URL 3)	09 : 7
x.x.x.10	www URL4 com (URL4)	09 : 25
⋮	⋮	⋮

FIG.4

USER-URL ACCESS INFORMATION

MEMBER ID	URL ACCESSED
A	URL 1
A	URL 2
A	URL 3
B	URL 4
⋮	⋮

FIG.5

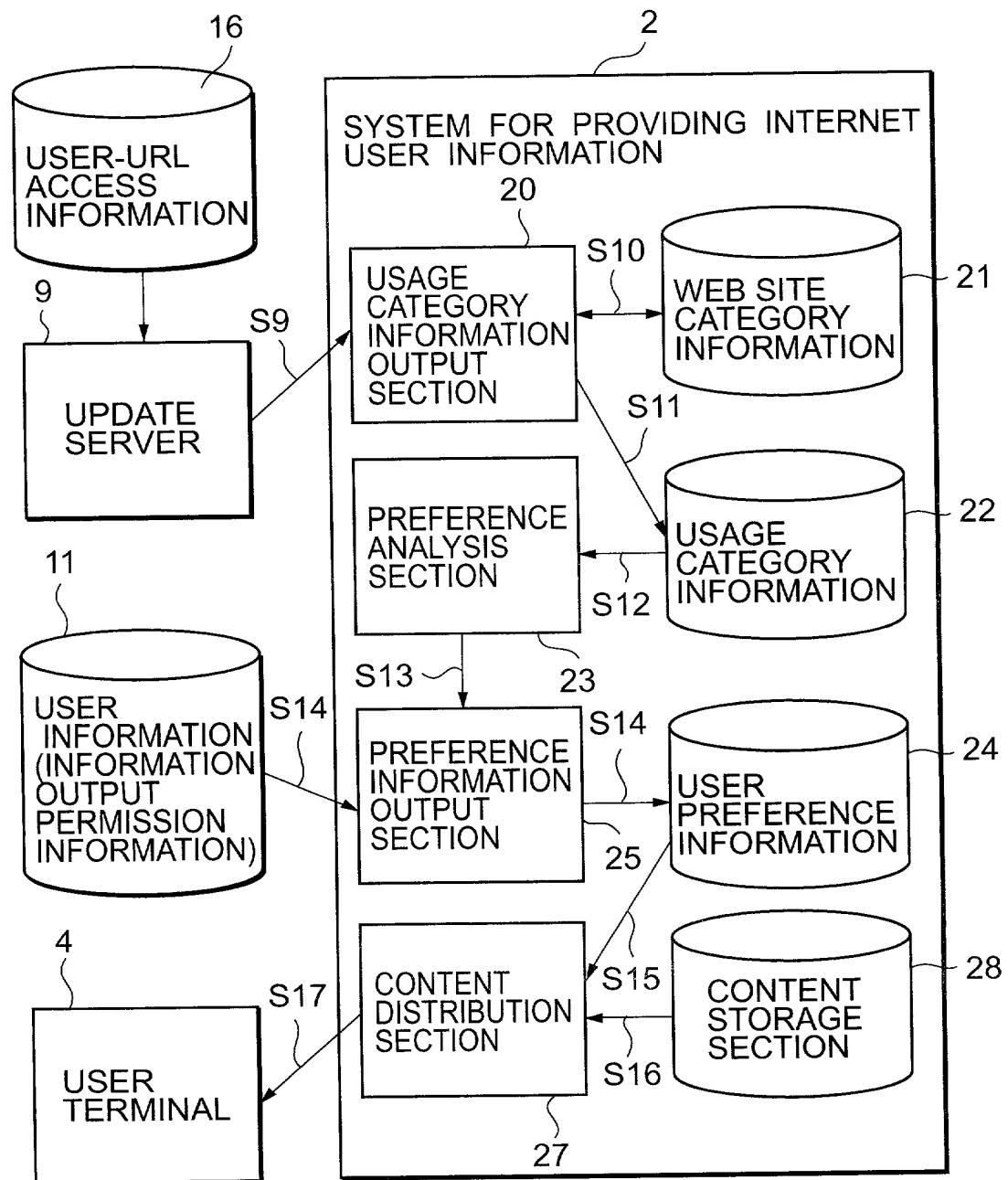


FIG. 6

URL CATEGORY INFORMATION

URL	CATEGORY	SUB-CATEGORY
URL 1	ART	PHOTOGRAPHS
URL 2	BUSINESS	EMPLOYMENT
URL 3	POLITICS	PUBLIC ADMINISTRATION
URL 4	SPORTS	OUTDOOR
:	:	:

FIG.7

RESULTS OF THE USER PREFERENCE ANALYSIS

MEMBER ID \ CATEGORY	ART	BUSINESS	COMPUTER	EDUCATION	...
ART	5	2	0	0	...
BUSINESS	0	0	5	4	...
COMPUTER	...	...	...	...	...
EDUCATION	...	...	...	...	...
...

FIG.8

CONTENT INFORMATION

CONTENT ID	CATEGORY	SUB-CATEGORY	AGE	SEX	OCCUPATION CODE
0001	ART	PHOTOGRAPHY	20 - 40	M	1
:	:	:	:	:	:
0012	EDUCATION	SCHOOLS	12 - 15	F	0
:	:	:	:	:	:

FIG.9

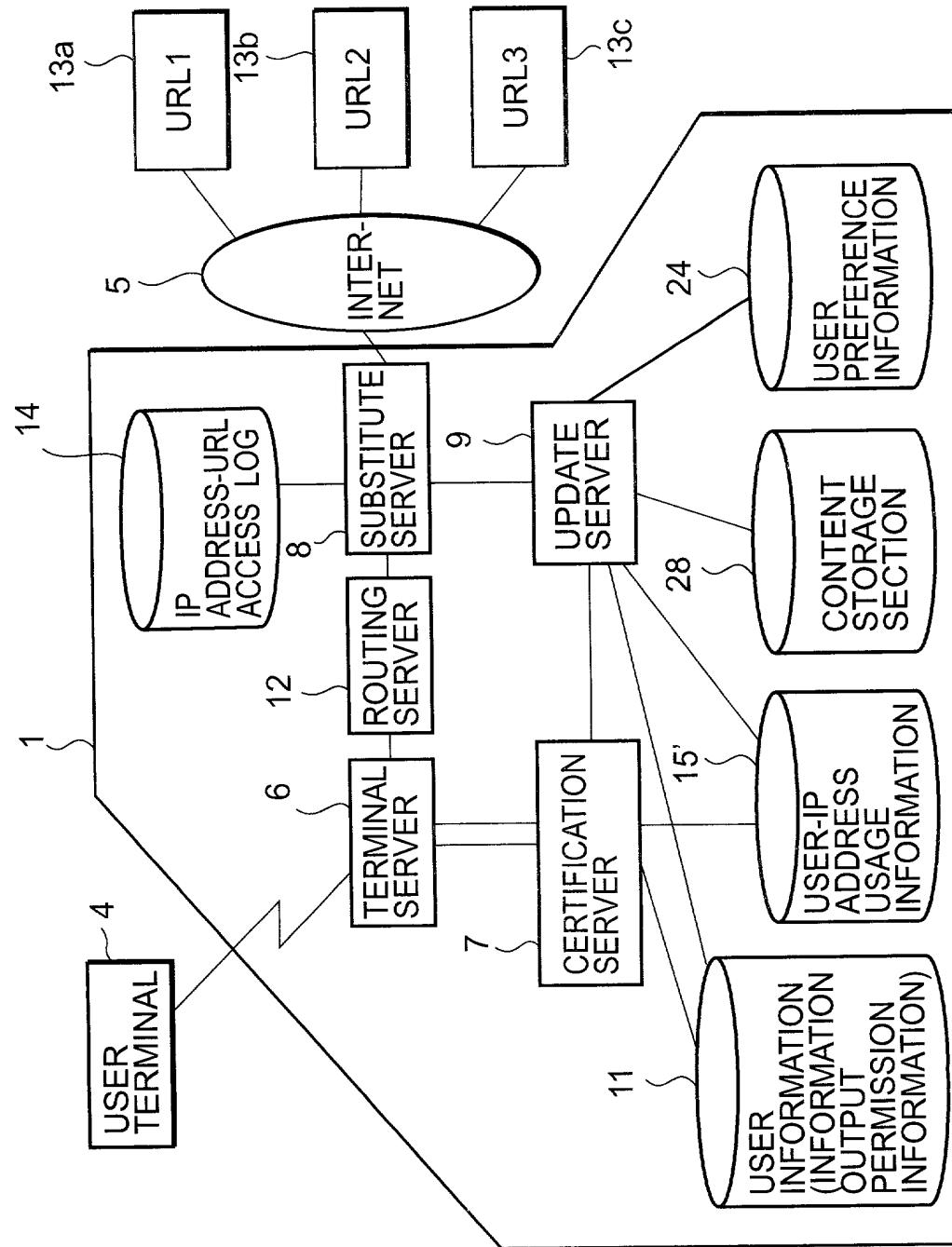


FIG. 10

USER-IP ADDRESS USAGE INFORMATION

IP	MEMBER ID
xxx 10	A
.....

FIG.11

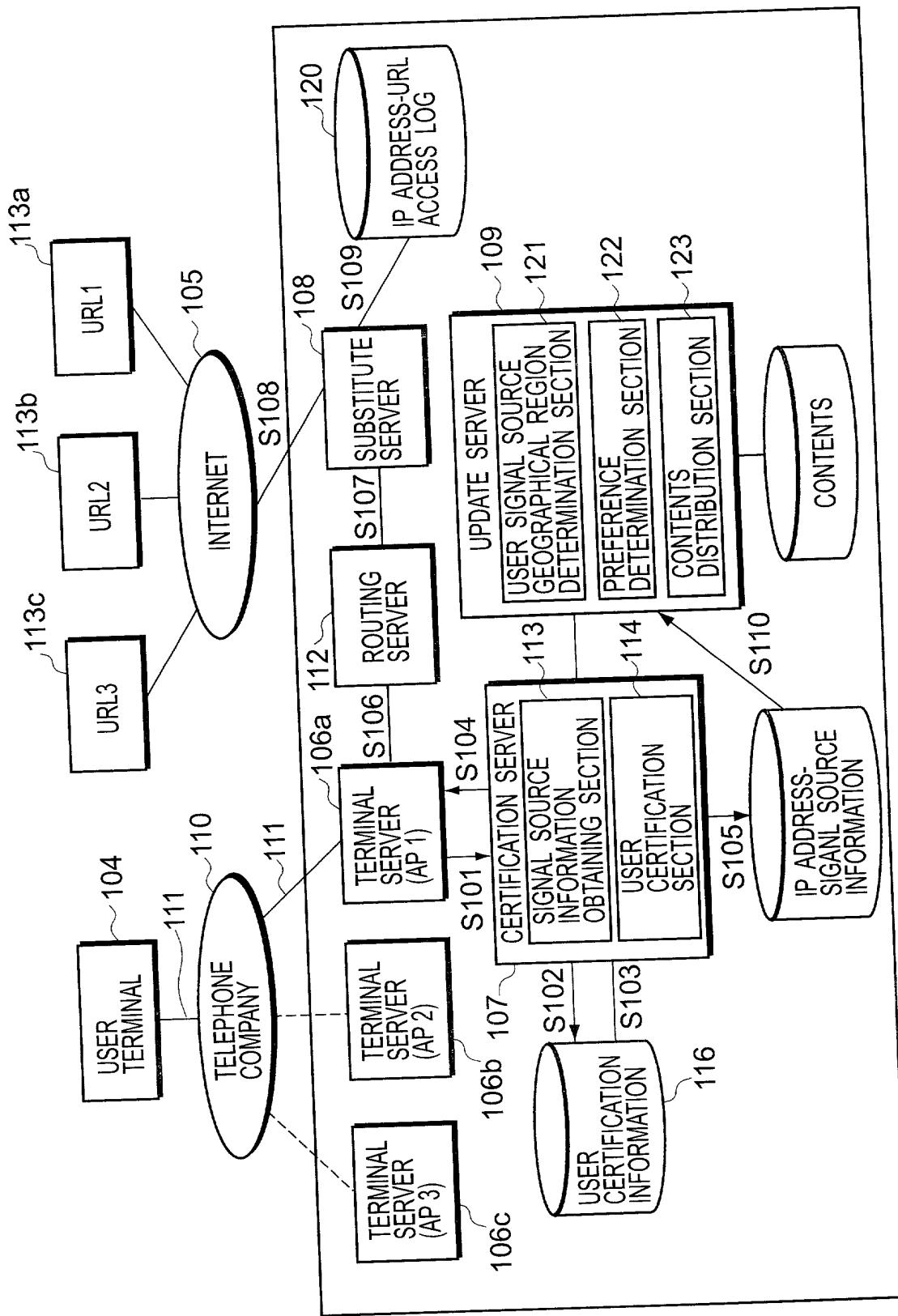


FIG. 12

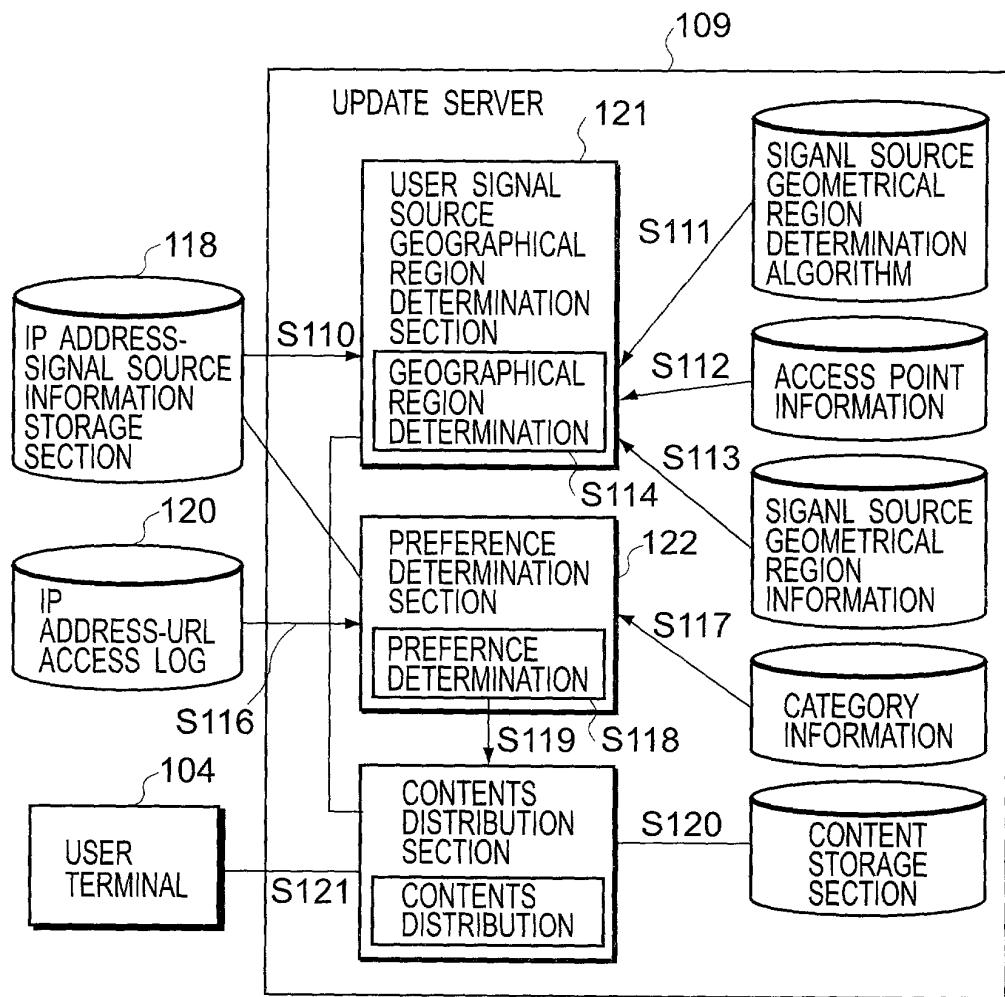


FIG. 13

0933-420000

ACCESS POINT INFORMATION

ACCESS POINT NAME	TELEPHONE NUMBER	LOCATION
AP1	03-111-1111	03 (TOKYO)
AP2	045-222-2222	045 (YOKOHAMA)
AP3	0120-3333-333	078 (KOBE)
...

FIG. 14

IP ADDRESS USAGE INFORMATION

USER	USER ID	IP ADDRESS	SIGNAL SOURCE
A	1111	(IP 1)	045-222-2222
B	2222	(IP 2)	PUBLIC TELEPHONE
C	3333	(IP 3)	03-111-1111
...

FIG. 15

SIGNAL SOURCE GEOMETRICAL REGION
DETERMINATION ALGORITHM

LINE NETWORK TYPE	ALGORITHM
REGULAR TELEPHONE	DETERMINE BASED ON THE SIGNAL SOURCE AREA CODE
PUBLIC TELEPHONE	DETERMINE BASED ON THE ACCESS POINT AREA CODE
...	...

FIG. 16

SIGNAL SOURCE GEOMETRICAL REGION INFORMATION

SIGNAL SOURCE OR ACCESS POINT AREA CODE AND EXCHANGE NUMBER	GEOMETRICAL REGION
045-222	YOKOHAMA-1
03-111	TOKYO-1
...	...

FIG. 17

URL	CATEGORY
URL 1	CATEGORY 1 (CARS)
URL 2	CATEGORY 2 (TRAVEL)
URL 3	CATEGORY 3 (SECURITIES)

FIG. 18

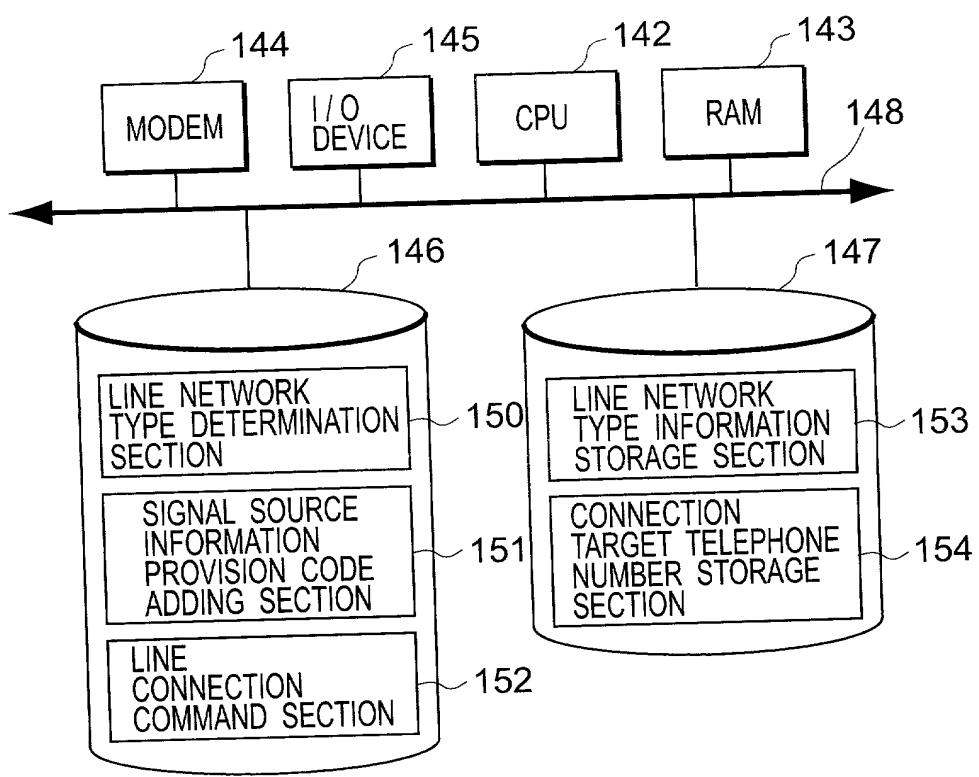


FIG. 19

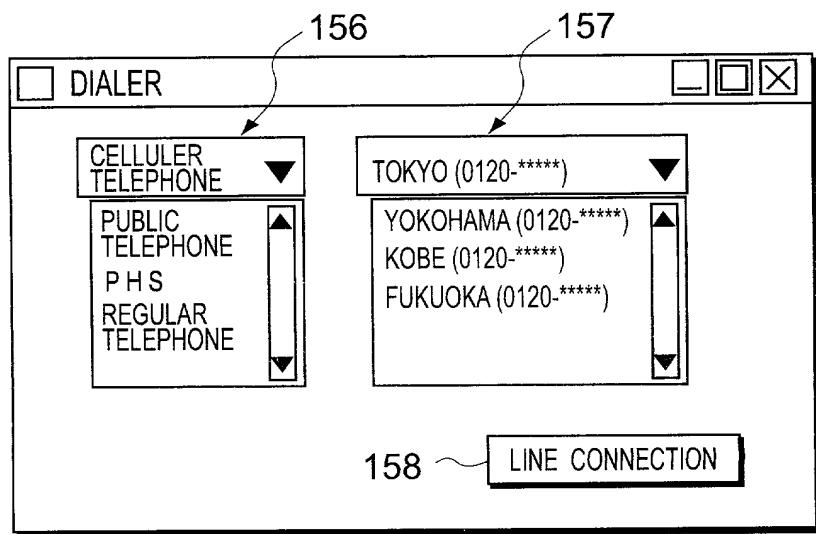


FIG. 20